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DRAWING MADE IN THIRD ANGLE PROJECTION

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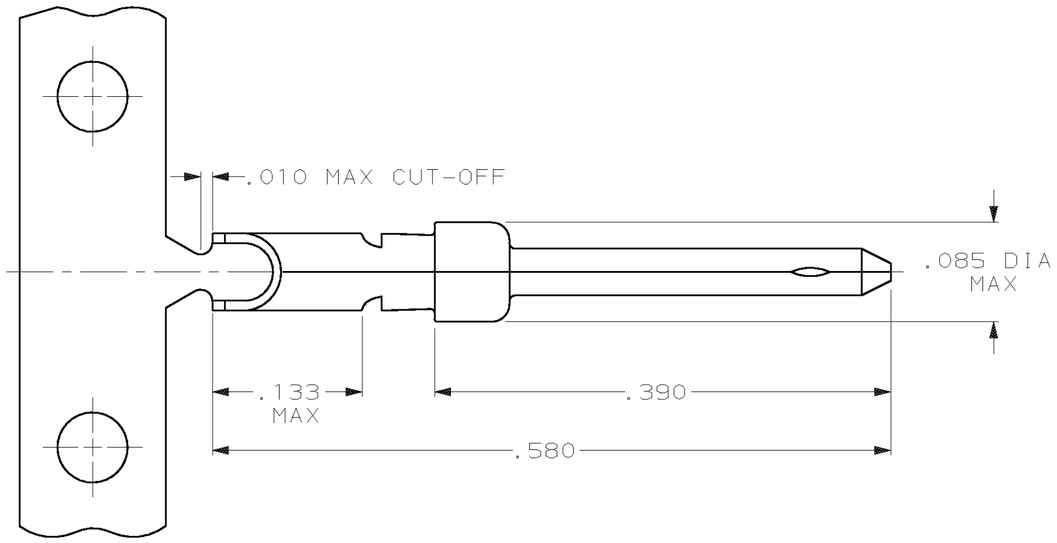
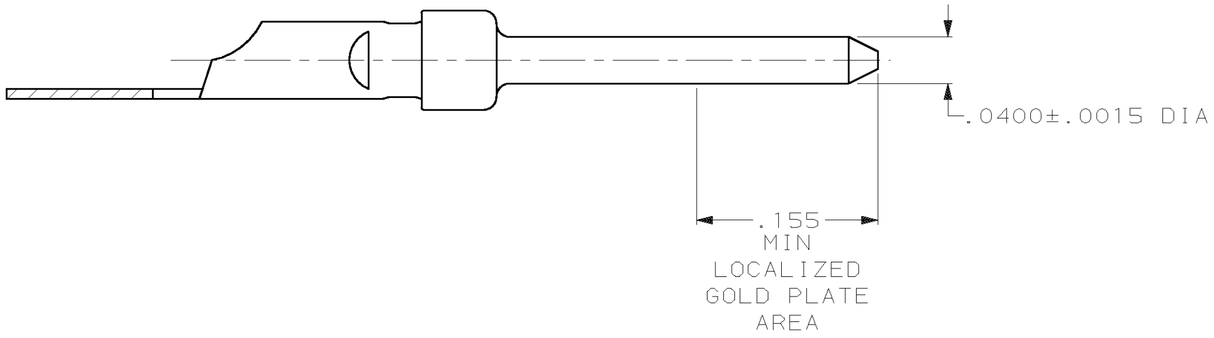
LOC	DIST
BD	48

P	F	ZONE	LTR	DESCRIPTION	DATE	APPD
				REVISIONS		
			E	REVISED & REDRAWN ECN-1606	7-28-86	–
			F	REVISED ECN-2118	2-15-88	CR LB
			G	REVISED ECN-BD3271	9-5-89	LB
			H	REV PER ECN BD3784	07/18/90	JW
			J	OBS -7 PER ECN BD6177	06/17/92	TS
			J1	ADDED -8 PER NPR 4837	06/15/93	SB
			K	OBS -4 & -6 PER EC 0020-1514-93	04/15/94	LF
			L	REV PER EC 0020-995-95	19 SEP 95	CS
			M	REV PER EC 0420-0036-96	14 OCT 96	PF
			N	REV PER EC 0G40-441-98	18 MAR 99	RT





1. GOLD PLATING MAY NOT APPEAR ON CARRIER STRIP.
2. GOLD PLATING PER MIL-G-45204, NICKEL PLATING PER QQ-N-290, TIN PLATING PER MIL-T-10727.
3. GOLD PLATED IN LOCALIZED GOLD PLATED AREA, .000030 GOLD IN MATED AREA, GOLD FLASH ON REMAINDER, OVER .000050 NICKEL.
4. GOLD PLATED IN LOCALIZED GOLD PLATED AREA, GOLD FLASH IN MATED AREA, TIN PLATED WIRE BARREL, OVER .000030 NICKEL.
5. GOLD PLATED IN LOCALIZED GOLD PLATED AREA, .000030 GOLD IN MATED AREA, TIN PLATED WIRE BARREL, OVER .000030 NICKEL.
6. .046 MAX DIA CONDUCTOR (UP TO 18 AWG).

	PACKAGING TYPE	FINISH	TYPE	PART NUMBER
	SMALL PACK	3	LOOSE PIECE	66570-8
OBSOLETE	STANDARD	5	STRIP	66570-6
OBSOLETE	STANDARD	4	STRIP	66570-4
	STANDARD	3	LOOSE PIECE	66570-3
	STANDARD	3	STRIP	66570-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON :
2 PL DEC ± -
3 PL DEC ± .005
ANGLES ± -

MATERIAL: BRASS PER MIL-C-50

FINISH 2: SEE TABLE

DR 9-9-86 S.WELDON
CHK 9-9-86 C.RICHARD
APPD 9-10-86 L.BREKOSKY
APPD 9-10-86 V.KUMAR
PRODUCT SPEC: –
APPLICATION SPEC: –
WEIGHT: –

AMP | AMP INCORPORATED Harrisburg, Pa. 17105

NAME: PIN CONTACT, SIZE 20 DF, WITH SOLDER CUP, AMPLIMITE™

SIZE	FSCM NO	DRAWING NO
C	00779	66570

SCALE 10:1 SHEET 1 OF 1

66570

AMP 1471-7 REV 10-84

CUSTOMER DRAWING

19-MAR-99 07:38:03 amp34993 /home/ssrv026d/dsk04/dept4023/amp34993/edmmod

REDUCED FOR PACKAGING

AMP INCORPORATED
HARRISBURG, PA. 17105

AMPLIMITE* SOLDER POT CONTACTS (66569-3 and 66570-3)

Instruction Sheet
IS 7799
RELEASED 4-29-76

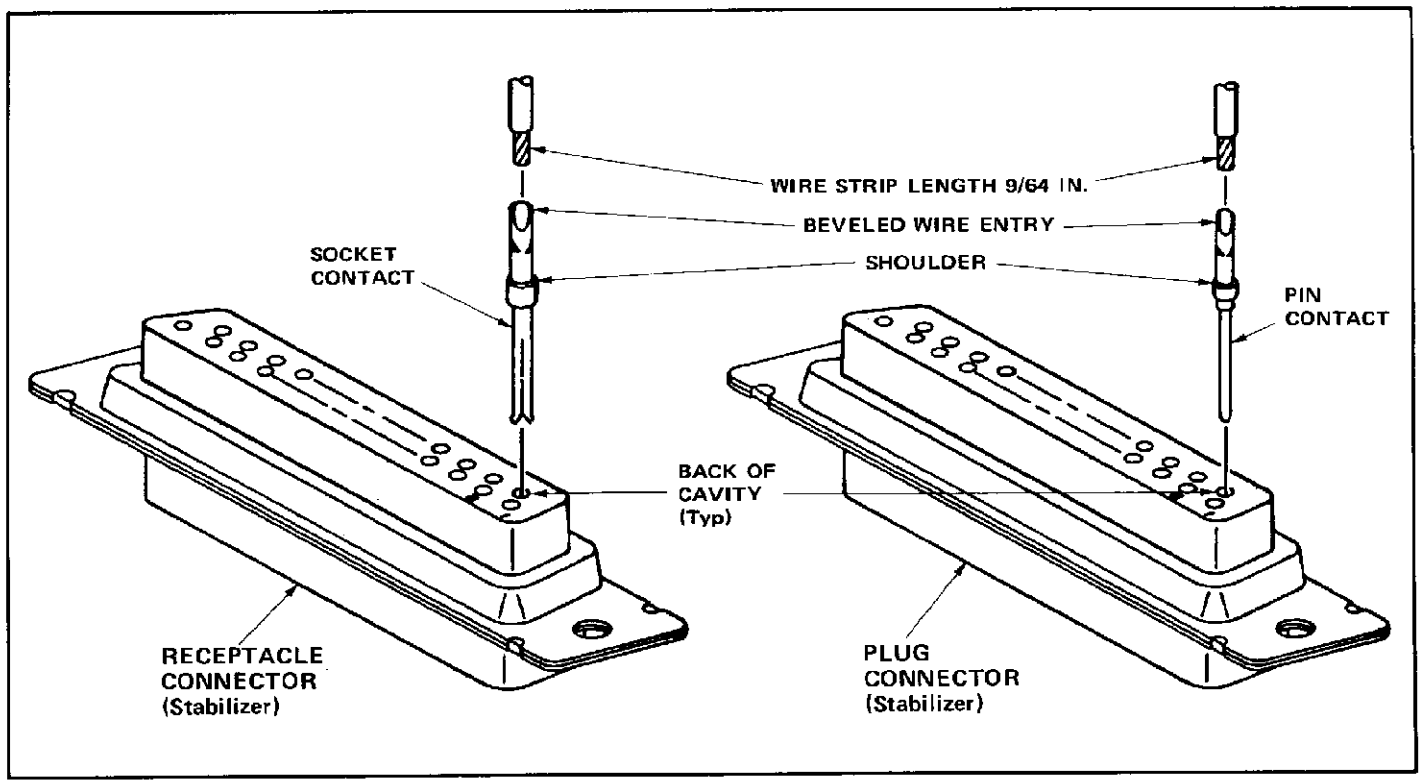


FIGURE 1

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1. INTRODUCTION

This instruction sheet (IS) covers the AMPLIMITE pin and socket solder pot contacts shown in Figure 1. Read this material thoroughly before starting.

2. DESCRIPTION

These contacts can be used in any of the AMPLIMITE housings that accept crimp type contacts. The wire barrel of the contacts will receive various wire sizes with a maximum range of 18 AWG.

The wire barrel has a beveled wire entry which insures an even flow of solder.

3. SOLDERING WIRE IN CONTACT

The contact must be stabilized during soldering. This can be done with the connector itself, or with a suitable, non-metallic soldering support. When the connector is used, the contact shoulder should be inserted into the back of the contact cavity (wire side of connector) just enough to stabilize the contact.

NOTE

Do NOT over insert the contact in the connector, otherwise, you may NOT be able to solder the contact — or you may damage the connector.

1. Place the contact in a stabilizer as shown in Figure 1.
2. Strip 9/64 in. of insulation from the conductor as indicated in Figure 1.
3. Insert the wire into the wire barrel of the contact until bottomed.
4. Solder the wire in the contact.

4. CONTACT INSERTION AND EXTRACTION

Contacts with wires that are stiff enough to withstand insertion force can be inserted without the use of a tool. A tool will be required for contacts with fragile wires, and to remove contacts from the connector. Use the AMP Insertion/Extraction Tool 91067-1 and the AMP Instruction Sheet IS 7508 which is packaged with the tool.

General procedure:

1. Insert a contact by aligning it with the back of the contact cavity and inserting it straight in until bottomed. Pull back lightly to be sure it is locked in the cavity.
2. Extract a contact by inserting the extraction tool tip into the back of the contact cavity until it is bottomed. Grip wire and tool, and pull the contact straight out of connector.

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